

From: ["PETTIT Don" <Don.PETTIT@state.or.us>](mailto:Don.PETTIT@state.or.us)  
To: ["SEALS Jason T" <T.Jason.Seals@state.or.us>](mailto:T.Jason.Seals@state.or.us)  
["Rob Lothrop" <LOTR@critfc.org>](mailto:LOTR@critfc.org)  
[brom@critfc.org](mailto:brom@critfc.org)  
["GERMOND Jon P" <Jon.p.Germond@state.or.us>](mailto:Jon.p.Germond@state.or.us)  
[Marla.Steinhoff@noaa.gov](mailto:Marla.Steinhoff@noaa.gov)  
["Matthew Bissell - NOAA Federal" <matthew.bissell@noaa.gov>](mailto:matthew.bissell@noaa.gov)  
["GRIFFIN Dennis \\* OPRD" <Dennis.GRIFFIN@state.or.us>](mailto:Dennis.GRIFFIN@state.or.us)  
["FRENCH Rod A" <Rod.A.French@state.or.us>](mailto:Rod.A.French@state.or.us)  
[mike.szumski@fws.gov](mailto:mike.szumski@fws.gov)  
[Allison O'Brien@ios.doi.gov](mailto:Allison.O'Brien@ios.doi.gov)  
[AudieHuber@ctuir.org](mailto:AudieHuber@ctuir.org)  
[CatherineDickson@ctuir.org](mailto:CatherineDickson@ctuir.org)  
[ericquaempts@ctuir.org](mailto:ericquaempts@ctuir.org)  
[christian.nauer@ctwsbnr.org](mailto:christian.nauer@ctwsbnr.org)  
[robert.brunoe@ctwsbnr.org](mailto:robert.brunoe@ctwsbnr.org)  
["Blaine Paarker CRITFC" <parb@critfc.org>](mailto:parb@critfc.org)  
[thpo@ctwsbnr.org](mailto:thpo@ctwsbnr.org)  
["Tom Hausmann NOAA 503-231-2315" <tom.hausmann@noaa.gov>](mailto:tom.hausmann@noaa.gov)  
[nancy.munn@noaa.gov](mailto:nancy.munn@noaa.gov)  
["Tom Peltzer NOAA 206-526-6322" <thomas.peltzer@noaa.gov>](mailto:thomas.peltzer@noaa.gov)  
CC: [allison.kinney@abam.com](mailto:allison.kinney@abam.com)  
["THOMS Bryn" <Bryn.Thoms@state.or.us>](mailto:Bryn.Thoms@state.or.us)  
["RICHARDSON Chris" <Chris.RICHARDSON@state.or.us>](mailto:Chris.RICHARDSON@state.or.us)  
["ANDERSON David" <David.ANDERSON@state.or.us>](mailto:David.ANDERSON@state.or.us)  
["Fowlow, Jeffrey" <Fowlow.Jeffrey@epa.gov>](mailto:Fowlow.Jeffrey@epa.gov)  
["Franklin, Richard" <Franklin.Richard@epa.gov>](mailto:Franklin.Richard@epa.gov)  
["BROWN Geoff" <Geoff.BROWN@state.or.us>](mailto:Geoff.BROWN@state.or.us)  
["COLLINS Jamie" <Jamie.Collins@state.or.us>](mailto:Jamie.Collins@state.or.us)  
["GLEIM Laura" <Laura.GLEIM@state.or.us>](mailto:Laura.GLEIM@state.or.us)  
[lydia.emer@state.or.us](mailto:lydia.emer@state.or.us)  
["GREENBURG Michael J" <Michael.J.GREENBURG@state.or.us>](mailto:Michael.J.GREENBURG@state.or.us)  
["ZOLLITSCH Michael" <Michael.J.ZOLLITSCH@state.or.us>](mailto:Michael.J.ZOLLITSCH@state.or.us)  
(b) (6)  
["Sheldrake, Beth" <sheldrake.beth@epa.gov>](mailto:sheldrake.beth@epa.gov)  
Date: 2/26/2019 1:36:29 PM  
Subject: Wildlife Monitoring Update for Tuesday 2/26/2019

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Resource Trustees: Some good news from the field on the wildlife front...Although the return to snowy conditions has meant that some Operations remain ceased until tomorrow, boom/sorbent tending and wildlife monitoring continues. Allison Kinney (ABAM) was able to conduct monitoring today, and although hampered by weather, was able to confirm that no new impacted wildlife were observed, and the booming/sorbents are doing their job under rough water conditions. Hats off to the work crews on source control efforts.

It is important to note that while our ultimate goal is protection of human health and the environment, the work being conducted does carry with it a measure of risk. Operating under the incident Health and Safety Plan, the monitoring/sampling efforts are constrained by weather and limits imposed by the challenging water environment/setting. Allison has more than risen to the challenges to safely obtain the data we need to be sure that operations conducted to collect diesel fuel and protect habitat/wildlife are effective.

Bravo Allison.

Here is Allison brief on today's monitoring:

I was out today. Weather/safety conditions prevented a full survey of the shoreline, but I was able to do a thorough survey of Lindsey Creek and the wetlands around containment, as well as spot checks at the culverts. No new species discoveries today. It was extremely windy and the water was really choppy though, and visibility below the surface was limited.

No sheen outside of primary containment, and there does not appear to be any sheen in the wetlands near the hot zone, but there is significantly more snow than previously.

Water levels are the highest they have been since we started, but doesn't seem to be affecting containment at all.

I'll be back out again tomorrow and will send updates.

-----Original Message-----

From: PETTIT Don

Sent: Monday, February 25, 2019 10:30 AM

To: SEALS Jason T <T.Jason.Seals@state.or.us>; 'Rob Lothrop' <LOTR@critfc.org>; 'brom@critfc.org' <brom@critfc.org>; GERMOND Jon P <Jon.p.Germond@state.or.us>; 'marla.steinhoff@noaa.gov' <marla.steinhoff@noaa.gov>; 'Matthew Bissell - NOAA Federal' <matthew.bissell@noaa.gov>; GRIFFIN Dennis \* OPRD <Dennis.GRIFFIN@state.or.us>; FRENCH Rod A <Rod.A.French@state.or.us>; 'mike\_szumski@fws.gov' <mike\_szumski@fws.gov>; 'Allison O'Brien (allison\_o'brien@ios.doi.gov)' <allison\_o'brien@ios.doi.gov>; 'AudieHuber@ctuir.org' <AudieHuber@ctuir.org>; 'CatherineDickson@ctuir.org' <CatherineDickson@ctuir.org>; 'ericquaempt@ctuir.org' <ericquaempt@ctuir.org>; 'christian.nauer@ctwsbnr.org' <christian.nauer@ctwsbnr.org>; 'robert.brunoe@ctwsbnr.org' <robert.brunoe@ctwsbnr.org>; 'Blaine Paarker CRITFC' <parb@critfc.org>; 'thpo@ctwsbnr.org' <thpo@ctwsbnr.org>; 'Tom Hausmann NOAA 503-231-2315' <tom.hausmann@noaa.gov>; 'nancy.munn@noaa.gov' <nancy.munn@noaa.gov>; 'Tom Peltzer NOAA 206-526-6322' <thomas.peltzer@noaa.gov>  
Cc: 'allison.kinney@abam.com' <allison.kinney@abam.com>; 'Richard Franklin (Franklin.Richard@epamail.epa.gov)' <Franklin.Richard@epamail.epa.gov>; 'BROWN Geoff' <Geoff.BROWN@state.or.us>; 'COLLINS Jamie' <Jamie.Collins@state.or.us>; 'Sheldrake, Beth' <sheldrake.beth@epa.gov>; 'Fowlow, Jeffrey' <Fowlow.Jeffrey@epa.gov>; THOMS Bryn <Thoms.Bryn@deq.state.or.us>; ANDERSON David <ANDERSON.David@deq.state.or.us>; 'RICHARDSON Chris' <Chris.RICHARDSON@state.or.us>; ZOLLITSCH Michael <ZOLLITSCH.Michael@deq.state.or.us>; 'lydia.emer@state.or.us' <lydia.emer@state.or.us>; (b) (6)  
GLEIM Laura <GLEIM.Laura@deq.state.or.us>; GREENBURG Michael J <GREENBURG.Michael@deq.state.or.us>  
Subject: RE: Impacted Species Discoveries Update

Resource Trustees - Allison Kinney (ABAM Wildlife Biologist for Space Age Fuels) continues to do daily monitoring of Lindsey Lake to observe impacts to wildlife and habitat. Additionally, Matt Bissell (NOAA Office of Response and Restoration) completed a preliminary Shoreline Cleanup Assessment Technique (SCAT) survey of the shoreline surrounding Lindsey Lake. Allison has captured all of the wildlife data to date, along with the shoreline segments created by Matt into the attached figure. The table presents some details about date, species, location, and general notes about impacted wildlife observations. Finally, note also that there is a possible salmon redd location near the Lindsey Creek mouth.

Matt indicated that current booming/sorbent strategies are well designed and well maintained, and had no additional recommended strategies/methods over what is being conducted. Matt will complete a report of the survey later in the week. Most site operations have ceased due to another batch of inclement weather, though water quality and wildlife monitoring along with boom/sorbent maintenance continue. A decision will be made later today whether to reinitiate excavation activities based upon the weather outlook.

As suspected, the e-mail sent Saturday night had several bounce backs, and the table did not end up being forwarded along. I am correcting that in this email...so if there is not a table and a figure attached to the email you receive, let me know. I have expanded the list out a bit to make sure all who need to know are aware, but if you see someone in you think should be included, feel free to let me know or send to them directly.

If you have any questions or concerns, let me know and I will try to get answers.

Don Pettit

Senior Emergency Response Planner | Emergency Response Program Oregon Department of  
Environmental Quality  
700 NE Multnomah Street, Portland, OR 97232  
Office: 503.229.5373  
Mobile: 971.563.7297  
pettit.don@deq.state.or.us

-----Original Message-----

From: PETTIT Don

Sent: Saturday, February 23, 2019 5:34 PM

To: SEALS Jason T <T.Jason.Seals@state.or.us>; rod.french@state.or.us; Rob Lothrop <LOTR@critfc.org>; brom@critfc.org; GERMOND Jon P <Jon.p.Germond@state.or.us>; marla.steinhoff@noaa.gov; mike\_szumski@fws.org; allison\_o'brien@doi.gov; Matthew Bissell - NOAA Federal <matthew.bissell@noaa.gov>; GRIFFIN Dennis \* OPRD <Dennis.GRIFFIN@state.or.us>

Cc: allison.kinney@abam.com; Franklin, Richard <Franklin.Richard@epa.gov>; BROWN Geoff <Geoff.BROWN@state.or.us>; COLLINS Jamie <Jamie.Collins@state.or.us>; Sheldrake, Beth <sheldrake.beth@epa.gov>; Fowlow, Jeffrey <Fowlow.Jeffrey@epa.gov>; THOMS Bryn <Thoms.Bryn@deq.state.or.us>; ANDERSON David <ANDERSON.David@deq.state.or.us>; RICHARDSON Chris <Chris.RICHARDSON@state.or.us>; ZOLLITSCH Michael <ZOLLITSCH.Michael@deq.state.or.us>; lydia.emer@state.or.us

Subject: Impacted Species Discoveries

Resource Trustees - There were additional fish and birds recovered at the site in the past few days, with daily reconnaissance and recovery of any impacted wildlife continuing. All recovered wildlife is being sent to Mike Szumski at USFWS for analysis.

The RPs consultant (authorized by ODFW to collect) has been compiling information about location, species, date/time and whether there was field evidence the wildlife was impacted due to the release or other causes.

That compiled information will be circulated Monday at the latest, but I am attempting to send along the map of collected animals in this email. If it does not come through tonight, I will make sure it does tomorrow.

Summary of Recovered Wildlife:

1- cormorant

4- perch

2-salmonid (chinook I believe)

1- salamander (appears to have been dead for some time, likely unrelated to the spill) 1-unidentifiable bird (not an intact carcass, it appears that the bird was preyed on, but I was concerned that it was possible that it died because of the spill and was scavenged)

There has been an archeaologist on site earlier who was approved by Warm Springs, primarily to inspect at the outset of excavation activities. You may have noted that most operations at the site are being temporarily suspended (aside from boom maintenance and sorbent recovery due to the weather expected tomorrow.

I believe all To: and CC: are being sent the larger synopsis of the days activities, so won't repeat that info here If you could look at the list and let me know if there are any additional people/agencies that might need the more detailed wildlife information, please let me know.

Look for a more detailed description (and updated map) tomorrow or Monday, and if you have any questions, please don't hesitate to reach out to me and I will try to find the answers.

Thank you,

Don  
971-563-7297 cell  
503-229-5373 office